## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6017	SLS contact layer	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/28 22:27
L2	659	SLS contact layer	US-PGPUB; USPAT; USOCR; EPO; JPO	WITH	ON	2009/03/28 22:27
L3	45	photodiode and dark adj current and (delta or gradient) with barrier	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/28 22:28
L4	0	L3 and SLS contact layer	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/28 22:28
L5	5	L3 and superlattice	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/28 22:28
L6	69	superlattice adj contact layer	US-PGPUB; USPAT; USOCR; EPO; JPO	WITH	ON	2009/03/28 22:31
L7	76	superlattice adj contact	US-PGPUB; USPAT; USOCR; EPO; JPO	WITH	ON	2009/03/28 22:31
L8	12	I7 and detect	US-PGPUB; USPAT; USOOR; EPO; JPO	WITH	ON	2009/03/28 22:32
L9	3	("5396103"   "5548137"   "6576933").PN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/03/28 22:35
L10	76	superlattice adj contact	US-PGPUB; USPAT; USOCR; EPO; JPO	WITH	ON	2009/03/28 22:45
L11	76	"superlattice contact"	US-PGPUB; USPAT; USOCR; EPO; JPO	WITH	ON	2009/03/28 22:46

S1	2	("4740819"   "6117702"). PN.	US-PGPUB; USPAT; USOCR, EPO; JPO	SAME	ON	2009/03/26 10:05
S2	2	("20070034898"   "4679063"). PN.	US-PGPUB; USPAT; USOCR, EPO; JPO	SAME	ON	2009/03/26 10:07
S3	18	photodiode dark current (delta or gradient)	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/26 10:25
S4	45	photodiode and dark adj current and (delta or gradient) with barrier	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/26 10:27
S5	19	("5198682").URPN.	USPAT	SAME	ON	2009/03/26 11:44
S6	0	("2007/0235758").URPN.	USPAT	SAME	ON	2009/03/26 11:45
S7	123	257/188.ccls.	USPAT	SAME	ON	2009/03/26 11:46
S8	0	257/e31.ccls.	USPAT	SAME	ON	2009/03/26 11:46
S9	282	257/e31.033.cds.	USPAT	SAME	ON	2009/03/26 12:03
S10	111	("3959646"   "3978511"   "4592791"   "4598305"   "4682196"   "4729004"   "4758527"   "4961097" "5453629"   "5481124"   "5656831").PN. OR ("6117702").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/03/26 13:35
S11	24	(photodetect\$3 or photovoltaic) and dark adj current and (delta or gradient) with barrier	US-PGPUB; USPAT; USOOR; EPO; JPO	SAME	ON	2009/03/26 13:46
S12	5	("5364816"   "6252287"   "6465812"   "6515316"). PN. OR ("6586272"). URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/03/26 13:50
S13	3	philip klipstein.in.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/03/26 13:55
S16	17925	"dark current"	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM TDB	SAME	ON	2009/03/26 13:56

S17	47	S16 and (barrier (delta or gradient) (dopant or doping))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2009/03/26 13:57
S19	7	("4740819").URPN.	USPAT	SAME	ON	2009/03/26 15:10
S20	13	pnp photodiode barrier	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/26 15:48
S21	202	photodiode barrier dark current	US-PGPUB; USPAT; USOCR; EPO; JPO	SAME	ON	2009/03/26 15:49
S22	0	("2007/0034898").URPN.	USPAT	SAME	ON	2009/03/26 21:51
S23	42	Tennant William.in.	USPAT	SAME	ON	2009/03/26 21:51
S24	11	("3958143"   "4195305"   "4390889"   "4961098"   "5012083"   "5016073"   "5241196"   "5300777"   "5880510"   "6034407"   "6803557").PN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/03/26 21:52
<b>S2</b> 5	9	("3924150"   "4847489"   "5113076"   "5466953"   "5731621"   "5751005"   "5880510"   "5936268"   "5959339").PN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/03/26 22:03

## 3/28/2009 11:18:58 PM

C:\ Documents and Settings\ jingham\ My Documents\ EAST\ Workspaces\ light emitting\ 10 561729 depletionless photodiode with suppressed dark current and delta doped barrier.wsp